

REMARKS

This is a full and timely response to the outstanding final Office Action mailed February 28, 2005. Through this response, independent claim 28 has been cancelled without prejudice, waiver, or disclaimer. Claims 1-11, 13-17, and 20-25 remain pending. Reconsideration and allowance of the application and presently pending claims are respectfully requested.

I. Allowable Subject Matter

Applicants appreciate the Examiner's indication that claims 1-11, 13-17, and 20-25 are allowable over the prior art of record. In that it is believed that every rejection has been rendered moot, it is submitted that each of the claims that remain in the case is presently in condition for allowance.

II. Claim Rejection Under 35 USC § 112

Claim 28 has been rejected under 35 USC § 112, second paragraph. Although Applicants respectfully disagree, since the inclusion of a loop filter in a charge pump embodiment is fully supported by the disclosure (see page 5, line 28 of the detailed description), Applicants have cancelled claim 28 in the interest of advancing this case to allowance. Thus, Applicants respectfully submit that the rejection to claim 28 is rendered moot and that the remaining claims are in condition for allowance.

III. Claim Rejection - 35 U.S.C. § 103(a)

Claim 28 has been rejected under 35 U.S.C. § 103(a) as allegedly unpatentable over *Kawasaki* (U.S. Pat. No. 5,955,904) in view of *Kobayashi et al.* ("Kobayashi," U.S. Pat. No. 5,936,455). Claim 28 has also been rejected under 35 U.S.C. § 103(a) as allegedly unpatentable over *Lee et al.* ("Lee," U.S. Pat. No. 5,889,437) in view of *Abdi et al.* ("Abdi," U.S. Pat. No. 5,722,052). Although Applicants disagree with the rejection and reasoning set forth in the Office Action (including the finding of well-known art), Applicants nevertheless have cancelled claim 28 in the interest of advancing the case to allowance. In that claim 28 has been cancelled, Applicants respectfully submit that the rejections have been rendered moot and that the remaining claims are in condition for allowance.

IV. Cancelled Claims

As identified above, claim 28 has been cancelled from the application through this response without prejudice, waiver, or disclaimer. Applicants reserve the right to present these cancelled claim, or variants thereof, in continuing applications to be filed subsequently.

CONCLUSION

In light of the foregoing amendments and for at least the reasons set forth above, Applicants respectfully assert that all rejections have been rendered moot and that the now pending claims 1-11, 13-17, and 20-25 are in condition for allowance. Favorable re-consideration and allowance of the present application and all pending claims are hereby courteously requested. If, in the opinion of the Examiner, a telephonic conference would expedite the examination of this matter, the Examiner is invited to call the undersigned attorney at (770) 933-9500.

Respectfully submitted,

**THOMAS, KAYDEN,
HORSTEMEYER & RISLEY, L.L.P.**

By: 

**David Rodack
Reg. No. 47,034**

100 Galleria Parkway N.W.
Suite 1750
Atlanta, Georgia 30339
(770) 933-9500